JPL
Jet Propulsion Laboratory
California Institute of Technology

MISR
Multi-angle Imaging Spectro-Radiometer

INTEROFFICE MEMORANDUM

THIS UPDATE: September 11, 2003
FROM: Barbara Gaitley
SUBJECT: Local Mode data acquisition requests for **September 2003**
FILENAME: /data/MISR_Project/LM/0309_requests.fm

This is the September 2003 list of MISR Local Mode observations to be scheduled by the IOT team. Data acquisition times are based on the latest available GRNDTRCK7_* file, that of August 18, 2003. Rows proceeded with an * have field campaign in progress.

The first table included in this monthly request list shows the length of time for each type of event and the corresponding time offset. This means that the "GMT Start Time" in the main table truly reflects the start time of any event, there is no conversion from Local Mode start time for other types of activities. The type of event is flagged as a reminder of the offset from nadir that is build into the listed time. Cal_dark sequences are scheduled every other new moon, there is a Cal_dark sequence in September.

Table 1: Acquisition Times And Offsets

Operation	Table Abbreviation	Duration (minutes)	Before Nadir (in Table)	Comments
Local Mode	LM	7:35	3:47	
Cal_diode, sequence of 4	CD	2:08 each	4:42, first one	Warm up diodes for 5 minutes before starting Cal_Diode
Cal_dark	DK	6:10	---	Preferably 7 minutes before end of orbit
Cal_north	CN	7:11	---	Scheduled by IOT team before Cal_dark orbit
Cal_south	CS	8:10	---	Scheduled by IOT team before Cal_dark orbit

Table 2: September 2003 Requests

Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS		#012	TWP_Manus	96	92	September 01, 2003	19698	2003/244/00:31:24 (LM)	94.0
Cal_Diode		#002	Algeria_3	192	66	September 01, 2003	19704	2003/244/10:14:47 (CD)	32.6
L2-AS	*	#040	Chesapeake	14	61	September 02, 2003	19722	2003/245/15:53:48 (LM)	10.1
L1B1	*	#223	Carnarvon	94	111	September 03, 2003	19727	2003/246/00:25:23 (LM)	135.2
L1B1		#013	TWP_Nauru	85	91	September 03, 2003	19741	2003/246/23:22:53 (LM)	141.0
L1B1		#205	Plymouth	204	50	September 05, 2003	19763	2003/248/11:24:15 (LM)	34.5
Cal_Diode		#204	Egypt_1	179	69	September 06, 2003	19776	2003/249/08:55:23 (CD)	48.2
Cal_Diode		#003	Algeria_5	195	66	September 06, 2003	19777	2003/249/10:33:12 (CD)	61.4
L2-AS	*	#070	Houston	26	67	September 06, 2003	19781	2003/249/17:09:53 (LM)	93.2
L1B1		#012	TWP_Manus	97	92	September 08, 2003	19800	2003/251/00:37:30 (LM)	72.2
L1B1		#054	Egypt_Desert	177	73	September 08, 2003	19805	2003/251/08:45:10 (LM)	18.7
L2-AS	*	#040	Chesapeake	15	61	September 09, 2003	19824	2003/252/15:59:51 (LM)	142.9
L2-AS	*	#040	Chesapeake	13	61	September 11, 2003	19853	2003/254/15:47:43 (LM)	127.5
L1B1	*	#223	Carnarvon	93	111	September 12, 2003	19858	2003/255/00:19:17 (LM)	19.3
L2-AS		#013	TWP_Nauru	84	91	September 12, 2003	19872	2003/255/23:16:46 (LM)	30.0
Cal_Diode		#089	Libya_1	187	71	September 14, 2003	19893	2003/257/09:45:31 (CD)	24.3
Cal_Diode		#166	Pacific_Temp	50	67	September 14, 2003	19899	2003/257/19:37:22 (CD)	158.0

Table 2: September 2003 Requests

Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS	*	#070	Houston	25	67	September 15, 2003	19912	2003/258/17:03:46 (LM)	55.6
L2-AS		#079	JPL	41	63	September 15, 2003	19913	2003/258/18:41:22 (LM)	10.1
L1B1		#091	London	201	49	September 16, 2003	19923	2003/259/11:05:26 (LM)	43.2
L1A		#140	Salar	233	107	September 16, 2003	19925	2003/259/14:43:02 (LM)	16.8
Cal_Diode		#109	MOBY_Buoy	64	74	September 16, 2003	19929	2003/259/21:06:18 (CD)	2.2
L2-AS		#012	TWP_Manus	96	92	September 17, 2003	19931	2003/260/00:31:21 (LM)	99.4
Cal_Diode		#002	Algeria_3	192	66	September 17, 2003	19937	2003/260/10:14:43 (CD)	28.2
L2-AS	*	#040	Chesapeake	14	61	September 18, 2003	19955	2003/261/15:53:46 (LM)	6.2
L1B1	*	#223	Carnarvon	94	111	September 19, 2003	19960	2003/262/00:25:22 (LM)	131.3
L1B1		#013	TWP_Nauru	85	91	September 19, 2003	19974	2003/262/23:22:54 (LM)	137.8
L1B1		#205	Plymouth	204	50	September 21, 2003	19996	2003/264/11:24:19 (LM)	34.9
Cal_Diode		#204	Egypt_1	179	69	September 22, 2003	20009	2003/265/08:55:29 (CD)	48.6
Cal_Diode		#003	Algeria_5	195	66	September 22, 2003	20010	2003/265/10:33:18 (CD)	61.4
L2-AS	*	#070	Houston	26	67	September 22, 2003	20014	2003/265/17:10:01 (LM)	92.9
L2-AS		#012	TWP_Manus	97	92	September 23, 2003	20033	2003/267/00:37:40 (LM)	73.3
L2-AS		#054	Egypt_Desert	177	73	September 24, 2003	20038	2003/267/08:45:21 (LM)	20.2
Cal North		---	50.5 °N, 152.9 °E	209	---	September 24, 2003	20040	2003/267/11:38:27 (CN)	---
Cal South		---	81.8 °S, 174.1 °W	8	---	September 24, 2003	20042	2003/267/15:56:17 (CS)	---

Table 2: September 2003 Requests

Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
Cal Dark		---	23.7 °S, 72.8 °E	24	---	September 24, 2003	20043	2003/267/17:52:42 (DK)	---
L2-AS	*	#040	Chesapeake	15	61	September 25, 2003	20057	2003/268/16:00:05 (LM)	145.4
L2-AS	*	#040	Chesapeake	13	61	September 27, 2003	20086	2003/270/15:48:01 (LM)	122.9
L1B1	*	#223	Carnarvon	93	111	September 28, 2003	20091	2003/271/00:19:37 (LM)	14.9
L2-AS		#013	TWP_Nauru	84	91	September 28, 2003	20105	2003/271/23:17:07 (LM)	23.5
Cal_Diode		#089	Libya_1	187	71	September 30, 2003	20126	2003/273/09:45:56 (CD)	17.0
L1B1		#042	Chilbolton	203	49	September 30, 2003	20127	2003/273/11:18:11 (LM)	99.0
Cal_Diode		#166	Pacific_Temp	50	67	September 30, 2003	20132	2003/273/19:37:48 (CD)	150.7

The column labelled "data product required" reflects the highest level of data processing that our science teams members will request, for either Global Mode or Local Mode data products. This table thus gives a list of orbits where we would like early mission data to be processed to Level 2. As this file resides on the developers page, it is for internal JPL use only. Therefore, it is a "wishlist", and does not commit us to producing these products to outside investigators. We recognize that Local Mode data are currently only produced to L1B1 at the DAAC. This column tracks data sets that should be processes to L2, when this capability comes to exist.

This memorandum is also used as a history, documenting Local Mode and calibration data sets for future reference.